Intelligent Transport Systems

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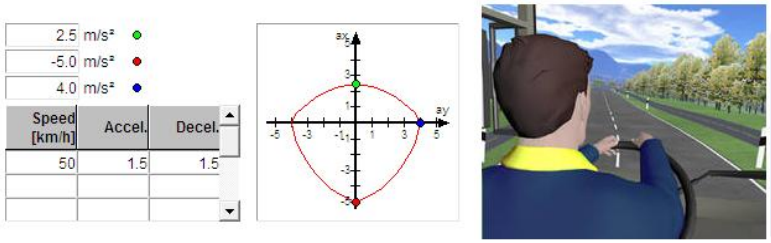
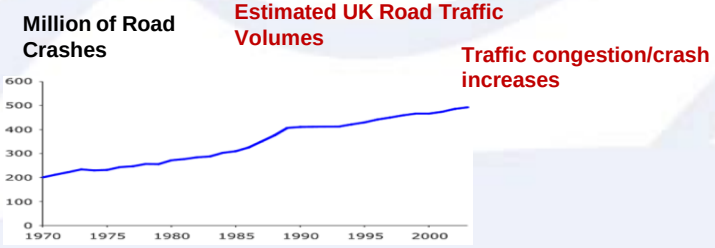
Road User Behaviour Scenario



Overview

As the world's population grows, traffic safety is becoming a mounting challenge for many cities and towns across the world.



Virtual test driving of vehicles:

- Simulation Behavior is like a real-live test;
- Modification of car parameters(engine, tyres, etc.);
- Design of road, traffic, a virtual driver and pedestrians.

Aim:

To investigate the potential factors that affect traffic safety on the road traffic / pedestrians situations.

Study Objective

To research and evaluate the potential failure of traffic accidents based on the main factors that affect traffic safety on the road/highway situations.

To use an advanced 3D tool packages to create the real time situations and analyze the best solution in order to reduce road accidents such as crash.

Specific Traffic Safety System benefits include:

- Better safety;
- A positive economic impact by decreasing traffic accident;
- Reduction of numbers of serious injuries and traffic fatal or critical accidents.